

SILVERCREST®

HOME TECH

MOBILE NAVIGATION SYSTEM

GB User manual and
IE service information



PNA-E3540N

Navigation Device

Silvercrest PNA-E3540N

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1. Important Safety Notice

Before you use this device for the first time, please read the following notes in this manual and heed all warnings, even if you are familiar with handling electronic devices. Keep this manual safe for future reference. If you sell the device or pass it on, it is essential you hand over this manual also.

Used icons:



This icon denotes important information for the safe operation of the product and for the user's safety.



This symbol denotes further information on the topic.

1.1 Operating Environment

Position the device on a stable, even surface and do not place any objects on the device. The device is not for use in environments with a high temperature or humidity (e.g. bathrooms), and must be kept free of dust. Operating temperature and operating humidity: 5°C to 35°C, max. 85 % RH.



When using the navigation device in a vehicle, please install it on the supplied car mount only and make sure that the device sits properly on the car mount.



Install any cables in the vehicle so that neither the driver is obstructed nor the capacity for driving the car.



Do not install the car mount (with or without the navigation device) within the operating area of the vehicle's airbag and install the car mount so that the driver's view is not obstructed..

Always make sure that:

- there is free circulation of air (do not place the device on shelves, on a thick carpet, on a bed, or anywhere that obstructs the ventilation slots, and leave at least 10 cm clearance on all sides;
- no direct heat sources (e.g. heating) can affect the device;
- no direct sunlight or bright artificial light reaches the device. When installing the device in a vehicle, make sure that it doesn't become overheated;
- contact with sprayed and dripping water and abrasive liquids must be avoided and the device should never be operated near water. It must especially never be immersed (do not place any recipients containing liquids such as beverages, vases, etc. onto or next to the device);
- the device is never placed in the immediate vicinity of magnetic fields (e.g. loudspeakers);
- no fire sources (e.g. burning candles) are placed on or near the device;
- no foreign bodies are introduced into the device;
- the device is not subject to any great temperature changes as this may cause moisture through condensation and short-circuit;
- the device is not subject to excessive shocks and vibrations.

1.2 Power Supply

Use only the supplied car charger cable IC-MUBU-DB-G or the supplied USB cable to avoid overheating, deformation of housing, fire, electric shock, explosions and other dangers. Never connect the car charger cable or the USB cable to other devices. Please note that the supplied car charger must never be used for a vehicle with a 24V power supply. If you wish to use your

navigation device in a vehicle with a 24V power supply, you must connect a 24V-to-12V adapter (not supplied).

1.3 Rechargeable Battery

This device uses a high-end Lithium-ion battery. This battery should only be removed or replaced by an authorized service centre. Under very rare conditions, sparks may appear at the contacts causing any explosive and/or inflammable gases to ignite. Therefore we recommend that you do not use the device in dangerous areas such as fuel stations and to power it off.

1.4 Cables

Always hold cables by the plug and never pull on the cable itself. Never place the device, heavy objects or furniture on the cable and take care that the cord does not become trapped, especially at the plug and socket. Never make knots in the cable and do not tie it together with other cords. All cables should be positioned so that nobody can trip over them or be obstructed by them. Never use adapter plugs or extension cables that do not comply with the current safety regulations in your country, and do not modify any of the cables yourself.

1.5 Repair and Maintenance

Repairs are required when this device has been damaged in any way, for example, when the device housing is damaged, when liquid has been spilled on the product, when objects have fallen into the product, when the product has been exposed to rain or moisture, when the product does not work normally or if the product has been dropped. If you notice any smoke, unusual noise or strange smells, switch off the device immediately and pull the corresponding charger cable from the power supply. In this case the device should not be used further and should be inspected by authorized service personnel. Please contact qualified personnel when servicing is needed. Never open the housing of the device. By opening the housing you endanger your life through risk of electric shock. Only use a clean, dry cloth for cleaning. Never use any abrasive liquids. Do not attempt to open the housing of the device otherwise you will void your warranty.

1.6 Children

Electrical appliances do not belong in the hands of children! Do not allow children to use electrical devices when not under supervision. Children may not comprehend the presence of potential risks. Small parts can represent choking hazards. Keep the packaging away from children too as there is danger of suffocation.

1.7 Intended Use

This is an information technology electronics device. It may only be used for private use, not industrial or commercial purposes. In its default configuration, this product has not been designed for medical, lifesaving, rescue or life-maintaining purposes. Furthermore, the device may not be used in tropical climates. Only connection cables and external devices may be used that comply with safety standards and the electromagnetic compatibility and shielding quality of this device. This device fulfils all that relates to CE Conformity, relevant norms and standards. Any modifications to the equipment other than recommended changes by the manufacturer may lead to the result that these directives are not met any more. The manufacturer is not liable for any damage or interference caused by unauthorized modifications. Only use the accessories recommended by the manufacturer. Do not use this device for purposes other than those indicated and do not modify it in any way. Any use other than that mentioned above does not correspond to the intended use. If you are not using the device within the Republic of Germany, you must observe the regulations and laws in the country of use.

1.8 Conformity



This device fully complies with the basic and other relevant requirements of the Vehicle Directive 2004/104/EC and the EMC Directive 2004/108/EC.



You'll find the signed CE Declaration of Conformity on the website www.silvercrest.cc under Silvercrest PNA-E3540N/Manuals as well as at the end of this User's Manual.

1.9 Disposal of Old Devices



If the product is labelled with a crossed-out waste bin, it is subject to the European Guideline 2002/96/EC. All electric and electronic devices must be disposed of separately from household waste at established bodies. With the proper disposal of old devices you avoid damage to the environment and your personal health. For further information about proper disposal, contact your local government, disposal bodies or the shop where you bought the device.

2. Introduction

Thank you for choosing this high-end Silvercrest product. The navigation device PNA-E3540N enables accurate navigation to your destination using different configurations. The device can store multiple destinations as well as your home address, and when traveling in unknown areas you can navigate to POIs (points of interest) to find places according to different search criteria. You can also program a route to your destination before starting your journey, if necessary also using multiple waypoints.

First of all, read this manual to set up the device and then read from page 33, to learn more about the different features of the navigation application.

2.1 Package Contents

- 1 Navigation device PNA-E3540N
- 2 Adapter plate
- 3 Car mount
- 4 Car charger cable (12V)
- 5 USB cable
- 6 Stylus
- 7 User's manual (not shown)
- 8 Software DVD (not illustrated)



2.2 Overview



-
- 1 On/Off button
 - 2 Charge indicator
 - 3 Memory card slot
 - 4 Mini-USB port
 - 5 Display
 - 6 Speaker

2.3 Care

2.3.1 Caring for the Display

Avoid scratching the display surface as it can be easily damaged. To operate the device, use only the supplied stylus or your finger.

If necessary, clean the display with a damp cloth. Never use any abrasive detergents: use water only. Take care to dry all remaining wetness in order to avoid any drops accumulating on the display. These can generate sediments and produce colour distortions.

2.4 General Operation Notes



*Please always bear in mind that the Road Traffic Act always has priority over any instructions output by your navigation device.
Do not operate the device while driving.*

2.5 Charging the Battery

If the capacity of the built-in battery becomes low, the following will appear in the upper right-hand corner of the display:



Recharge the battery in your car or using a computer by means of the USB cable. This will guarantee the uninterrupted operation of your device. As soon as the battery is being charged, this message will disappear.

You can continue using the device while recharging it from the car cigarette lighter or a power outlet. When recharging it from a computer the device will be locked and cannot be operated.

2.5.1 Recharging in the Car

- Plug the Mini-USB connector of the car charger cable [page 13, item 4] into the receptacle [page 14, item 4] of your navigation device.
- Then connect the car charger to a suitable cigarette lighter in your car.
- The charging process starts automatically, and the charge indicator [page 14, item 2] lights green. When charging is completed, the indicator will stop lighting.



Please note that the supplied car charger must never be used for a vehicle with a 24V power supply. If you wish to use your navigation device in a vehicle with a 24V power supply, you must connect a 24V-to-12V adapter (not supplied).



In order to protect your device from any sudden voltage surges, connect the car charger cable after you have started your car engine.

2.5.2 Recharging from a Computer

- Plug the Mini-USB connector of the USB cable [page 13, item 4] into the receptacle [page 14, item 4] of your navigation device.
- Plug the USB connector of the cable into a USB port on your computer. If your navigation device was in standby mode it will power on automatically.
- The charging process starts automatically, and the charge indicator [page 14, item 2] lights green. At the same time, the computer will establish a connection to the built-in memory of the device (see page 102).



2.6 Memory Card

The navigation device can read SD memory cards. It will detect automatically if a memory card has been inserted.



Make sure that the contacts of the memory card are not dirty and do not apply any pressure on the card.

2.6.1 Inserting the Memory Card

Insert a compatible memory card with the contacts facing forward into the memory card slot [page 14, item 3] of your navigation device. The contacts of the card must be facing the back. Insert the card carefully until it clicks into place.

2.6.2 Removing the Memory Card

Gently press onto the inserted memory card to unlock it. The card will protrude a little so that you can get a hold of it and remove it.

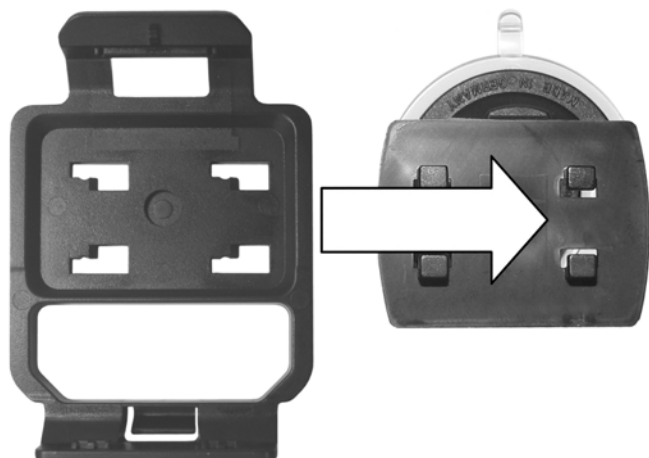


Save any changes and power the device off by briefly pressing the On/Off button [page 14, item.1] prior to removing the memory card otherwise loss of data may occur.

2.7 Car mount

To install the navigation device on its car mount, first install the supplied adapter plate [page 13, item 2] on the car mount.

Then press the suction pad of the car mount against the windshield and fix it by turning the lock.



In order to obtain good GPS signal reception the navigation device must be placed so it has an obstacle-free sight to the sky. Choose a suitable location on the car's windshield.



Do not install the car mount (with or without the navigation device) within the operating area of the vehicle's airbag and install the car mount so that the driver's view is not obstructed.

Once the car mount has been fixed in place you can insert the navigation device into the adapter plate. The noses on the adapter plate must fit into the corresponding holes of the navigation device (see figure, arrow 1). In order to orientate the navigation device to the correct viewing angle, move the flexible gooseneck of the car mount to the desired position.

To loosen the navigation device from the car mount, press on the latch on top of the adapter plate and remove the device.

To remove the car mount from the windshield, rotate the lock again and then pull from the latch located at the bottom of the suction pad (see figure, arrow 2).



2.8 Powering the Device On/Off

To power the device on for the first time, slide the device's On/Off switch [page 14, item 1] from the center position to the **ON** position and hold it there for a few seconds. Then release the On/Off switch. The switch will return to the center position and the device powers on.



On delivery, the battery of your navigation device is not fully charged. Recharge the battery completely. The device can charge the battery also while it's powered off.

2.8.1 Daily Use

To power the device off, slide the On/Off switch [page 14, item 1] from the center position to the **ON** position and hold it there for a few seconds. Then release the On/Off switch. The switch will return to the center position and the device will go to stand-by. All entered information and settings will be saved.

The next time you want to power the device back on, simply slide the On/Off switch to the ON position. The device will resume power with the last opened application.



The device consumes electricity in the standby mode. Therefore it can discharge the battery when in standby mode over a longer period of time.

2.8.2 Powering Off Completely

To power the device off completely, slide the On/Off switch [page 14, item 1] into the **OFF** position. This will not save any changes.

2.9 First-time Setup



Prior to using the device for the first time, charge the battery completely. The device can also charge the battery while it's powered off.



- Slide the device's On/Off switch [page 14, item 1] from the center position to the ON position and hold it there for a few seconds. Then release the On/Off switch. The switch will return to the center position and the device powers on.

Select a display language by tapping the corresponding entry.

You can use the  and  buttons to change the displayed page.

Confirm your selection by tapping the **Select** button.

Select a voice by tapping the corresponding entry.

You can use the  and  buttons to change the displayed page.

Confirm your selection by tapping the **Select** button.





You can choose here whether distances should be displayed in kilometres or statute miles.

To do this, tap the corresponding option.

Confirm your selection by tapping the **Next** button.

Next select your time zone by tapping the corresponding entry.

You can use the  and  buttons to change the displayed page.

Confirm your selection by tapping the **Next** button.

The Help page will be shown. You can obtain help about a category by tapping the desired button.

Use the **Skip** button to continue with the First-Time Setup.

Select distance units

Please specify the units you prefer distances to be expressed in:

- ☐ Kilometers
- ☒ Miles

Next

Select time zone

- 1:00 Azores
- 1:00 Cape Verde Is. 
- + 0:00 Dublin, Edinburgh, Lisbon, London
- + 0:00 Casablanca, Monrovia, Reykjavik 
- + 1:00 Belgrade, Bratislava, Budapest, Ljubljana, Prague

Next

Quick Guides



About main functions



Map browsing



Planning alternative routes



Managing POIs



Viewing routes



Managing itinerary

Skip



You can also open the Help at anytime after the First-Time Setup. To do this, tap Settings from the main menu, navigate to the third screen page and then tap Help.

Read the operation notice and tap
I agree.

Important

Attention: It is strongly recommended that the driver does not operate this device while driving. Local roadway regulations take preference over map indications.

I agree

Upon delivery the device has several maps already installed. If necessary, you can install more maps from the supplied DVD.



The internal memory of the device is limited. Therefore it is not possible to install all country maps. To install more maps, first you will need to remove some existing maps. You can do this with the supplied software (see the description starting from page 103).

When launching the device for the first time may it take a few minutes for initialising. As soon as enough satellites have been found the SiRFInstantFixII™ technology will start working (see also page 32). The next time you power the device on, it will be ready much faster.

When launching the device for the first time will it take a few seconds for initialising. As soon as this process is completed, the map with your current position will be displayed.



In the case that no GPS signal is received (e.g. when you have powered the device on inside a building) no position can be tracked.

Please read the following pages to learn about the GPS technology and about general operation for navigation purposes. A quick guide for programming your first route can be found on page 35.

2.10 General Operation Notes



Do not operate the device while driving. Plan your route prior to start driving. If you need to change the route while on your way, stop your car at a convenient place.

2.10.1 Input

To control navigation, tap the corresponding icons. If any icons appear greyed-out, they are not available at this time. It is only possible to select functions that are allowed for the current action.

Sometimes labelled switches will be displayed, allowing you to confirm or reset an action (like "Back" and "Done"). To do this, tap the desired switch:

During navigation you can tap the display at any time to display the navigation main menu. Any active navigation will continue running in background.

Further control of the navigation settings is done through several icons:



These buttons will display if the menu shown consists of more than one page. Tap several times on the button **Left** or **Right** to toggle between the different views.



These buttons will appear when a list exceeding the display height is shown. Tap several times on the button **Up** or **Down** to move the list up or down.



This **Slider** allows choosing a value between a minimum and maximum. To do this, use the stylus to tap and hold the mark and slide it to the desired position.



Checkboxes allow you to enable or disable additional options. Tap on the checkbox to place a checkmark in it or to remove the checkmark. It is possible to select multiple or all options shown.



Radio buttons are used to select one of multiple options by tapping the corresponding radio button. It is mandatory to select an option. When selecting a new option, the previous one will be disabled automatically.

2.10.2 Map browsing

In Browse Map view (see page 55)

When performing a search for destination or nearby places you can move the displayed map area by placing the stylus or finger onto the map and dragging it into the desired direction. The displayed map area will follow into this direction. To enlarge or reduce the map view, drag the slider on the right up or down.

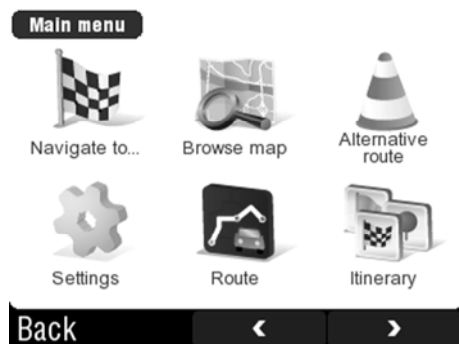
In Navigation view (see page 39)

In Navigation view you can press the - button in the upper-left corner to enlarge the displayed map area. Use the button + in the upper-right corner to reduce the displayed map area. Keep the corresponding button pressed to accelerate the zoom adjustment. Tap the map to open the GPS main menu. Any active navigation will continue running in background. Also the voice guidance will continue.

2.10.3 Adjusting the Volume

You can set a default volume and a volume for high speed driving. Tap on the display to open the GPS main menu.

Tap **Settings**.

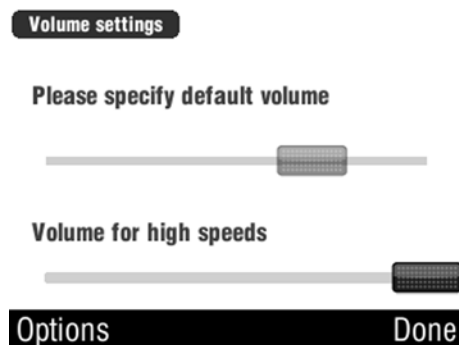


Tap **Volume settings**.



Use the upper slider to adjust the default volume.

The lower slider lets you adjust the intensity of the automatic sound volume amplification for higher speeds.



If the lower slider is moved fully to the left, the high-speed volume will be the same as the standard volume. The further you move the slider to the right, the higher the volume will be increased automatically when reaching the preset high-speed limit (see below).

To set the speed limit from which the sound output will be raised, click the **Options** button.

Use the on-screen keypad to enter a speed value and tap **Done** to confirm.

Use the ◀ button to correct any typos.

Set maximum speed:



111





For example, if you enter 70 miles the sound volume will be increased to the set high-speed volume value when driving at 70 miles or faster.

2.10.3.1 Muting the sound




Besides adjusting the audio volume you can mute the sound completely. This applies to all voice instructions and warning sounds.


- Tap on the display to open the GPS main menu.
- Tap  **Settings**.
- Tap  **Disable sounds**.

The sound will be muted until you enable it again by repeating the above procedure.

- Tap on the display to open the GPS main menu.
- Tap  **Settings**.
- Tap  **Enable sounds**.

2.10.3.2 Button sound

- Tap on the display to open the GPS main menu.
- Tap  **Settings**.
- Tap the  button three times to show the fourth page of the Settings menu.
- Tap  **Disabled touch tones**.

The button sound will be disabled unless you enable it again by following the same procedure to tap the icon  **Enable touch tones**.

3. GPS

3.1 GPS Connection

This navigation device uses the Global Positioning System (GPS). It receives the signals sent from multiple GPS satellites and processes them to determine the position on a digitised map.

The navigation device displays detailed information about the reception quality and the current position (see page 98).



For GPS tracking a free sight to the sky is required. Navigation does not work inside a building or in a tunnel. A dense forest can also reduce the GPS signal strength.

3.1.1 SiRFInstantFixII™

This new technology enables the use of your navigation device without any delays.



In order to track the GPS position properly, the reception of at least four GPS satellite signals is required. However, the satellites are located on an MEO orbit and their position changes continuously. In order to be able to locate the satellite, the navigation device must have a satellite almanac. Regular devices will download the almanac from the first satellite found after powering on. Therefore the availability of the device for navigation can be delayed for several minutes.

By using the latest SiRFInstant FixII™ technology your navigation device is able to track the current position from the last known GPS information. Therefore the almanac has to be loaded only once upon first-time setup.



SiRFInstantFixII™ requires the last-saved position. Therefore make sure that the battery doesn't get fully discharged in the meantime otherwise the almanac will have to be downloaded again from the satellite.

3.2 The GPS Main Menu

The GPS main menu is your central point of access to all functions of your navigation system. It consists of two display views. To toggle between the views, tap the  or  buttons.

During navigation you can tap the display at any time to show the navigation main menu. Current navigation will not be interrupted.



The following options are available:



Navigate to...

Use this button to start navigation. Several options are available.



Browse map

Shows the active map with the present position. You can use this function to display addresses or POIs (Points of Interest).



Alternative route

Here you can edit a programmed route, for instance to avoid a traffic jam or to enter a waypoint.



Settings

The Settings menu offers multiple options to customise your device to your needs.

The GPS Main Menu



Route

Here you can retrieve detailed information about the set route.



Itinerary

Here you can plan routes and save them. If required, you can insert waypoints to be visited in sequence.



Manage POI

This option gives access to the POI menu. You can enter custom POIs, edit or delete any existing POIs and determine what POIs should be displayed.



GPS Status

This button allows you to view the coordinates of the present position as well as information about GPS signal reception.



Memorize position

Saves the present position and adds it to the recent destinations to allow retrieval at a later time.



Extras

This menu offers helpful tools like a world clock, a calculator and a unit converter. It is also possible to retrieve country-specific information (such as permitted maximum speeds, etc.).



Suspend

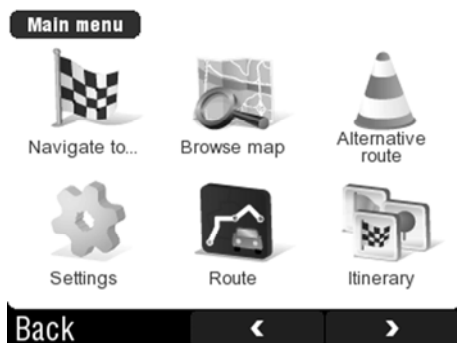
This will save all current settings and information and then switch to Standby mode.

3.3 Programming a Route

3.3.1 Quick Guide

Tap on the display to open the GPS main menu. When entering information in the following screens, you can always tap the **Back** button to return to the previous display.

Tap **Navigate to...**



Tap **Address**.



- Select the country where your destination city is located by tapping on it. If required, you can use the ▼ and ▲ buttons to change the displayed page.
- 🌐 If there is only one country map installed, no prompt for the destination country will appear.

Programming a Route

Enter the name of the city via the on-screen keypad.

Due to the size of the database the display may be delayed slightly.



- Based on the entered characters the device will determine the possible search results. This enables an input even when you have mistyped a name.
- To enter a special character, tap the ü button. To return to the previous character set, tap the abc button.
- To delete an entered character, tap the ◀ button.
- As soon as the name of the desired city appears on the list, tap on it. It is not necessary to enter the entire name.
- Please see page 92 for how to use the on-screen keypad.

Enter the name of the street via the on-screen keypad. Proceed the same way as for the city.



Enter the street number (if you know it) and tap **Done**.

Number:

Any
Trafalgar Avenue


Jocelyn Street



1	2	3	4	5
6	7	8	9	0
Back				Done

If you don't know the street number, there are two possible options for the destination:

- Tap on the **Any** button to select the middle of the street as destination.
- or
- From the list of crossing streets, select any street name by tapping on it. This will set the corresponding street junction as your destination.

Select an available option (for description see the next page) or tap on the **Route Me!** button to calculate the route.

 **Trafalgar Avenue (Peckham)**
London

 On Map	 Parking	 Add to favourites
Cancel		Route Me!



On Map

Displays the entered destination in Browse map view.



Parking

Selects a parking near the entered destination and calculates the route to go there.



Add to Favourites

Adds the entered destination to your favourite list.

The device will calculate the route and it will appear on the map.

Tap **Done** to launch the navigation display.



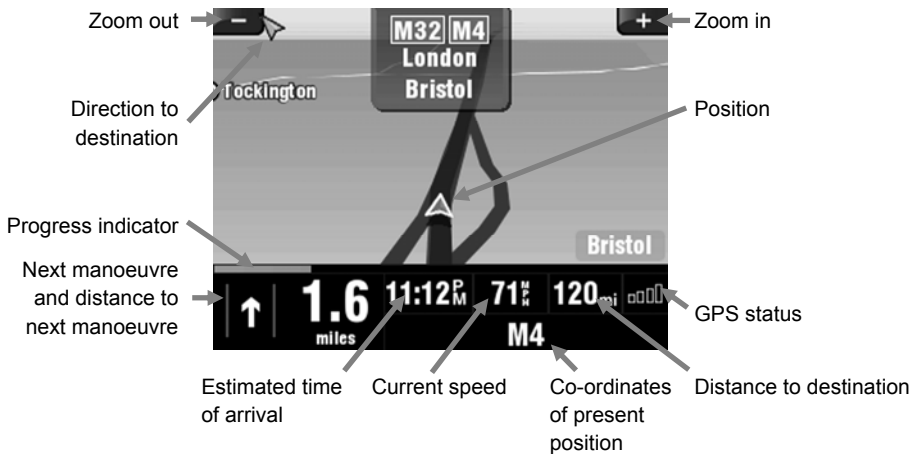
In Map browsing view, your route will appear as a blue line. Furthermore, the following information will appear:

- Distance to destination
- Estimated time of arrival
- Time left

Please see page 45 for how to edit your route by using the button **Details**. Additionally, you can also edit your route at any time, even while navigating (see page 43).



3.3.2 Navigation Display

During navigation, the map will display as follows:



The information shown at the bottom of the display can be customised. For more information, please read page 62 - Configuring the Displayed Information.

3.3.3 Setting Other Destinations

Besides entering an address there are other possible ways to enter your destination. The menu **Navigate to...** consists of two display views. To toggle between the views, tap the  or  buttons.



The following options are available:



Address

Insert the destination in the form of an address here.
(Description on page 35)



Favourite

Select a destination from your own favourite list.
(Please see page 47 for how to create favourites)



History

Your navigation device automatically stores a list of your last destinations. From this list you can select a destination again.
(Description on page 50)



Point of Interest

Here you can choose a destination by category
(Restaurant, Shopping, Major tourist attractions, etc.).

A submenu allows you to perform the following operations with a POI:



select at current position



search near an address to be entered



search near the destination



search in a specific city

(For more information about POIs, read the information starting from page 78)



Post Code

This button lets you enter the destination as a post code instead of a city. Further operation is the same as described on page 35.



Home

Saves your home address as destination.

(For more information about the home address, read the information starting from page 48)



Point on Map

Displays the map allowing you to place a destination mark on any location (see also the Map browsing function from page 55).



Enter GPS position

Here you can enter the destination's West/East and North/South co-ordinates in degrees, minutes and seconds.



City Centre

Here you can enter a city via the on-screen keypad without having to specify any further information. The navigation device will then guide you to the city centre. If required, you will be prompted to choose a district from another dialog box.



Last Valid Position

Sets the destination as the last valid GPS position.

3.3.4 Entering Data without GPS Reception

If no GPS signal is received when entering a route (e.g. when programming it indoors) the navigation device will be unable to calculate the route. A prompt offering the following options will appear:



Wait for valid
signal

The route calculation will take place automatically as soon as a GPS signal is available.



Last valid
position

The last known position will be used as the starting position. This option is recommended if you haven't moved much from the last known position since the device was powered off.



Select from
map

Choose this option and then tap on the desired starting position on the displayed map. If required you can drag the map with the stylus and enlarge or reduce the view by using the zoom slider on the right (see also page 55 – Browse Map).

3.4 Planning an alternative Route

If you need to set a different or a modified route you can do this via the **Alternative route** function.

Alternative routes are necessary:

- if a road has been closed or is unusable due to other reasons
- if you want to insert another waypoint
- if you don't want to use motorways, toll roads, ferries or unpaved roads

Tap on the display to open the GPS main menu.

Tap **Alternative route**.



Choose an alternative road from these options.



Compute alternative

Determines a different route to the present one and shows it on the map. This function can be executed several times, as necessary.



Avoid next...

Tap here if the road suddenly appears closed for any reason. Select a default value: 500yd, 1mi, 5mi, 10mi, 15mi or 20mi.

The route will be recalculated immediately and circumnavigated by the distance set from the original route.



Travel via...

With this function you can insert a waypoint.

Proceed the same way as for entering a new route. You can choose whether the waypoint is

- to be entered as an address or post code (see from page 35)
 - to be selected from your favourites (see page 47)
 - to be chosen from one of your last destinations (see page 50)
 - a POI (see page 78)
 - your home address. If you haven't set your home address yet, you can enter it here (see page 48).
 - a selected point on the map (see from page 55)
 - to be entered in the form of geographic coordinates
 - to be the city centre of the town you want to visit, or
 - to be the last valid GPS position.
-



Reset to original

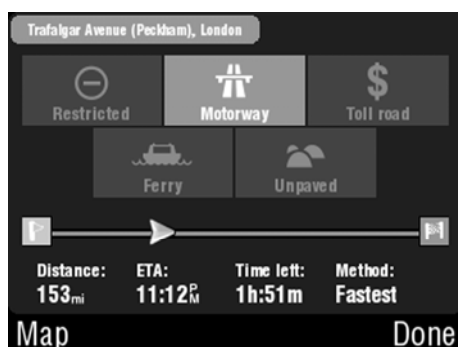
Erases all previous alternative routes and restores a standard route. With this function you can undo all previous settings.

3.4.1 Avoiding Route Legs

As soon as a new route has been calculated, it will display on the Browse map view. For more settings and information, tap on **Details**.



This displays the distance, estimated time of arrival and the remaining time en route. The ruler schematically represents your position along the total route and the position of waypoints, if any.



If the route contains one of the following leg types it will be marked in blue. You can exclude them from the route by tapping on them. A safety prompt will appear. Tap **Yes** to confirm. Next a new route avoiding the unselected leg types will be calculated.

Frequently Visited Destinations



Restricted

Inaccessible or restricted route legs (e.g. traffic-reduced areas).



Motorway

Motorways



Toll road

Toll roads
You can have the device exclude toll roads completely (see page 67).



Ferry

Ferries



Unpaved

Unpaved roads and off-road paths.



If the current route contains several of the above options and you want to exclude one or more of them, you must repeat the above steps.

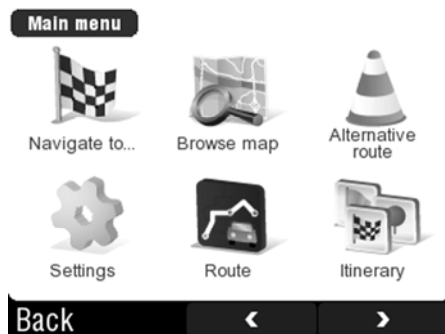
3.5 Frequently Visited Destinations

If you frequently have to go to the same destinations you can create a list of favourites to have them entered faster. It is also possible to enter your home address in order to accelerate the return trip programming. Your navigation device furthermore stores the last 30 destinations in History.

3.5.1 Favourites

Tap on the display to open the GPS main menu.

Tap **Navigate to...**



Tap on **Favourite**.



Select an entry from your favourite list by tapping on it. Your route will be calculated immediately.



Please see page 79 on how to create favourites.

3.5.2 Home Address


3.5.2.1 Set Home Location

Enter your home address in order to program any journey back home with just a few steps. Proceed as follows:

Tap on the display to open the GPS main menu.

Tap **Settings**.



Tap the  button twice to show the third page of the Settings menu.

Tap **Set home location**.



Tap **Address**.



If you have already entered your home address you can tap on **History** and choose the entry with your address by tapping on it.

Proceed the same way as for programming a new destination. As soon as you are finished, you are returned to the map display. The navigation device will store the entered address under the **Home** entry. To modify this address, repeat the above steps to overwrite the existing one.

3.5.2.2 Recalling Your Home Address

If you have entered your home address you can easily set a route for driving home. Tap on the display to open the GPS main menu.

Tap **Navigate to...**



Tap **Home**.



The device will calculate the route and it will appear on the map. With the first voice instructions the map will be displayed.

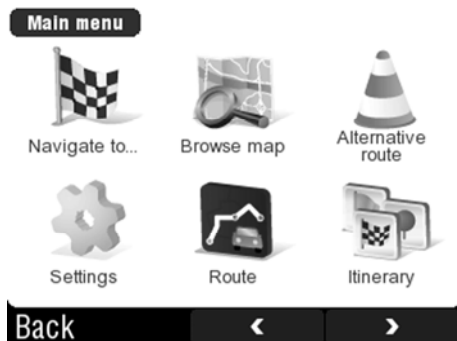
You can optionally tap **Done** to launch the navigation display immediately.



3.5.3 History

Your navigation device automatically stores a list of your 30 last destinations. You can easily recall them if you need to return to one of these destinations. Tap on the display to open the GPS main menu.

Tap **Navigate to...**



Tap on **History**.



Select the desired entry from your favourite list by tapping on it.

If there are more than five entries you can use the ▼ and ▲ buttons to change the displayed page.




Tap the **Clear list** button to erase the contents of the history list. To do this, confirm the safety prompt with **Yes** to continue erasing or **No** to cancel.

3.6 Map Options

You have several choices for customising the map display. In Browse map view (see page 55) you can use the digitised map like a normal paper map and you can display locations or routes in a convenient way.

3.6.1 Angle

The map viewing angle allows three different settings for navigation. To toggle between these settings, proceed as follows:

- Tap on the display to open the GPS main menu.
- Tap  **Settings**.

The displays will cycle in sequence, therefore only the icon that represents the following possible setting will appear.

Tap the icon to change the view. The device will then toggle back to the map view.



3D view

Displays the map in a 3D view with a horizon. During navigation, the route is always orientated in the driving direction, therefore the map display will rotate when passing a curve.



2D (flat) view

Shows the map with the observer located over it. The route will also be orientated in the driving direction. The map display rotates according to the driving direction.




2D view, North up

Shows the map with the observer located over it and the North on top. The map will not rotate when changing the driving direction.

3.6.2 Colour

To customise the device according to the environmental lighting conditions you can toggle between day and night view or have these display modes set automatically according to the current time. The icons will cycle in sequence, therefore only the icon that represents the following possible setting will appear.

- Tap on the display to open the GPS main menu.
- Tap  **Settings**.

Tap the icon to change the colour. To return to map view tap the **Back** button.



Set automatic
colours

Sets the colours according to the current time.



Set daylight
colours

The day mode uses bright and high-contrast colours to obtain a better readability even under direct sunlight.






Set night colours

The night mode uses dark colours in order to reduce any dazzling effects when navigating at night.

3.6.3 Backlight settings



The backlight settings allow you to adjust different brightness levels for the day and night display modes.

- Tap on the display to open the GPS main menu.
- Tap  **Settings**.
- Tap the  button three times to show the fourth page of the Settings menu.
- Tap  **Backlight settings**.

Use the ruler to select a suitable brightness for the night display. Tap **Done** to complete the process. Tap **Set day** to toggle to the brightness setting for the day mode. Here you can also tap **Done** to save the changes and exit, or you can tap **Set night** to return to the night mode settings.

3.6.4 Memorize Position

You can save the present position at any time. This allows you to return to it at a later time without having to enter the address.

- Tap on the display to open the GPS main menu.
- Tap the  button once to show the second page of the Main menu.
- Tap  **Memorize position.**


The present position will be stored in the destination history. The navigation device returns to navigation mode and displays the message **Current position was stored in History.**

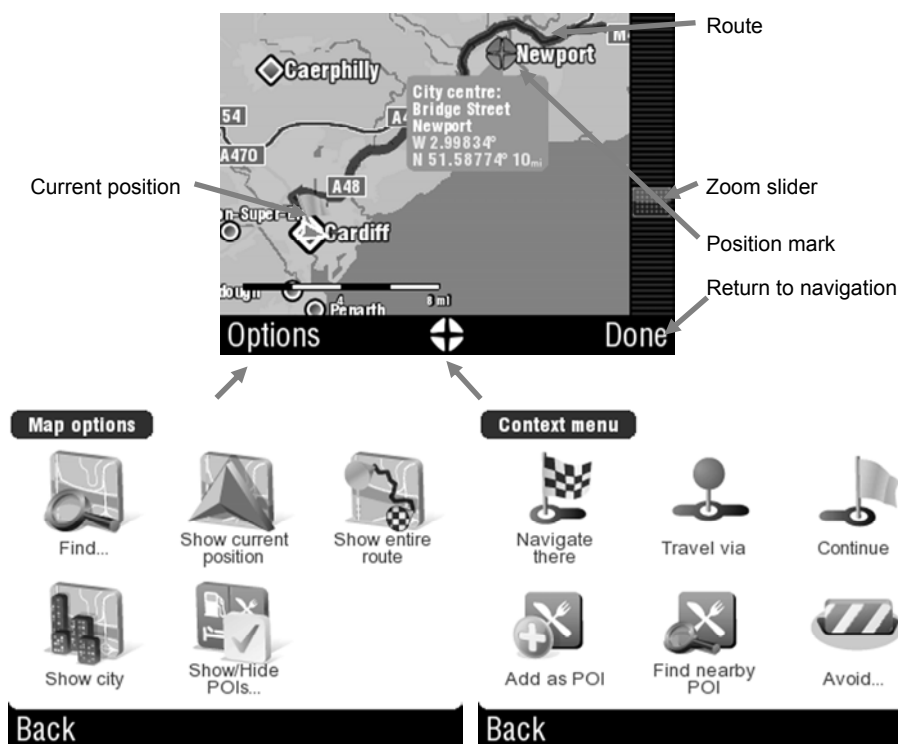


To save the position for a long time it is recommended that you save it as a favourite (see page 79, Adding a POI).

3.6.5 Browse map

Browse map lets you easily display or edit a route, plan a new route or include POIs (Points of Interest).

- Tap on the display to open the GPS main menu.
- Tap  **Browse map**.
- The present position will appear on a map. If there is already a programmed route, this route will also be displayed.



Options for Browse map
(Description on page 56)

Options for position mark
(Description on page 57)

3.6.5.1 Options for Browse map

In Browse map, tap the **Options** button to display the option menu for the route. This menu offers different ways to add another position to or next to the route. This new position can be included as a waypoint of the route.



Find...

Opens the menu for entering a destination (see description starting from page 40).



Show current position

Shows the present position on a larger scale.



Show entire route

Shows the entire route on the map.



Show city

Use this button to specify a city. The mark will be placed in the city centre and it will appear on the map.





Show/Hide POIs...

Shows a list of all POI categories. Select the desired categories by placing a checkmark in the corresponding checkboxes. Then confirm your selection by choosing the Done button in order to display the selected POIs in map browse view.

- Tap the button **Enable all** to select all categories. The button will switch to **Disable all**. This allows you to remove all checkmarks.

3.6.5.2 Options for the position mark

Tap any point on the map to mark an additional position. The icon  **Position mark** will appear on the selected position on the map.

Tap the icon  in the button bar to open the context menu for the position mark. The following options are available for joining the position mark with the route:



Navigate there

Replaces the destination by the position marker and recalculates the route.



Travel via

Inserts the marked position as a waypoint and calculates a new route. The existing destination will be preserved.




Continue

Adds another destination to a route and moves an existing destination to become a waypoint.



Add as POI

Transforms the position mark into a favourite by tapping  **Favourites**.

You can also create a category by tapping the **New** button. Enter a name for the category, select an icon from the list, enter a name and tap **Done** to confirm (see page 79).



Find nearby POI


Select a POI by category from the list or select Show All to display all POI entries located near your destination.



Avoid...

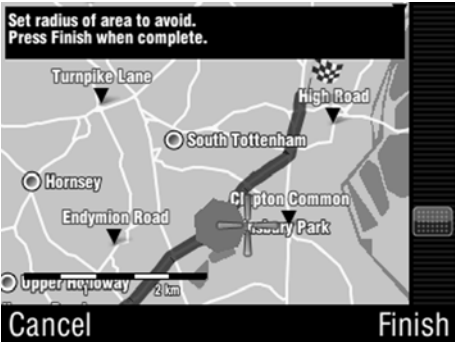
Set a radius around the marked position on the map to exclude it from the route calculation (see description on page 58).

3.6.5.3 Avoid...

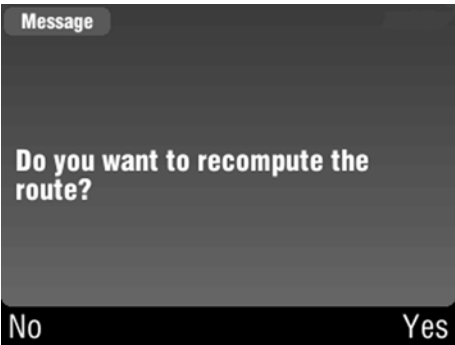
From the Browse map menu, tap the  **Avoid...** icon (see the previous page). A cross icon will appear on the map instead of the position mark.

Tap next to the cross icon to set the radius of the avoidance zone.

Then tap the **Finish** button.



If the current route goes through the avoidance zone it will be recalculated. Tap **Yes** to confirm this action.



The updated route will remain outside the avoidance zone. Tap **Done** to return to navigation.



3.6.6 Optimising the Display




There are different options available for adjusting the display properties. You have already learned about some of these features in the Map Options chapter.

- The map can be displayed in 2D or 3D (see page 52).
- For day and night operation it is possible to customize the brightness (see page 53) and the colours (see page 53).
- The on-screen keyboard can be used with different keyboard layouts (see page 92).

In this section you will learn more about the other functions. All of them allow you to customise the device according to your needs.

3.6.6.1 Signpost Settings

During navigation it is possible to display any signposts (e.g. motorway signs).

- Tap on the display to open the GPS main menu.
- Tap  **Settings**.
- Tap the  button once to show the second page of the Main menu.
- Tap  **Signpost settings**. The following display appears:

Select the desired level of signposts.

Example **All directions**:



Then tap on **Next**.

Select the size of the directional signs and tap **Done**.

Signpost settings

Set the number of direction signs to be displayed

- ☐ All directions
- ☒ Preferred direction
- ☐ Disable signpost info

Next

Signpost settings




Set the size of direction sign

- ☐ Full
- ☒ Simplified
- ☐ Single line

Done





3.6.6.2 Rotate display

You can use the device in portrait and landscape orientation.

- Tap on the display to open the GPS main menu.
- Tap  **Settings**.
- Tap the  button once to show the second page of the Main menu.
- Tap  **Rotate display** to toggle between portrait and landscape screen orientation.



3.6.6.3 Setup for Left-Handed Users

The device offers maximum ergonomics for left-handed users.

- Tap on the display to open the GPS main menu.
- Tap  **Settings**.
- Tap the  button once to show the second page of the Main menu.
- Tap  **Left handed** to enable the setting for left-handed operation. After selecting the button it will toggle.
- Tap  **Right handed** to return to the right-handed user operation.

3.6.6.4 Advanced settings

Under Advanced settings you'll find some basic configurations. The menu consists of different displays that toggle in sequence.

- Tap on the display to open the GPS main menu.
- Tap  **Settings**.
- Tap  **Advanced settings**.


Avoid U-Turns

When calculating the route the device will avoid all U-turns. This is recommended when using the device in a heavy truck or trailer.

Map Options

Enable lane assistant

The lane assistant is helpful when driving on motorways. When joining a motorway, arrows will indicate the lanes where your route continues.

Example of the lane assistant display: 

Enable Autozoom

Enlarges the map at lower speed (e.g. when driving in town) in order to offer more details and reduces the map when driving fast (e.g. on a motorway) in order to provide a better overview.

Warn if Railway crossing

Shortly before crossing a railway the navigation device will output an acoustic signal.

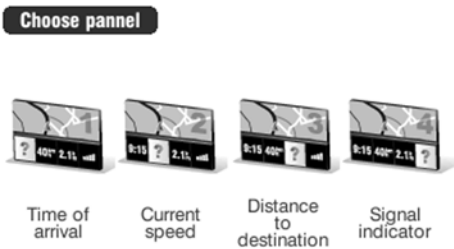
Please specify how to handle backlight and standby during navigation

Select between the options **Always on**, **Use device default settings** (goes off after a few seconds) and **Smart backlight** (backlight only when an action needs to be performed).

Configuring the Displayed Information

Determine the type and arrangement of any additional information shown at the bottom of the map.

Select position 1 to 4 of the additional information by tapping the corresponding icon.



Next

Tap the type of information to be shown at the selected position.

You can use the ▼ and ▲ buttons to change the displayed page.



- If a digit appears in front of an entry it represents the current position on the display.

The following options are available:

- Average speed
- Current speed
- Elevation
- Length of route
- Distance since start
- Distance to destination
- Remaining time to destination
- Time of day
- Time of arrival
- Signal indicator

Change speed restriction options

Tap the **Enable max speed warning** checkbox to enable the warning.

Tap the checkbox in front of **Enable warning sound** to output an acoustic warning signal.

Speed restriction options

Change speed restriction options

- ☒ **Enable max speed warning**
- ☐ **Enable warning sound**

Next

This window will appear only if the option **Enable max speed warning** has been enabled.

Select a trigger value for the warning in towns and outside towns by adjusting the corresponding sliders.

Then tap **Done**.

Speed limit setting

Warnings inside built-up areas: Over 6%



Warnings outside built-up areas: Over 12%



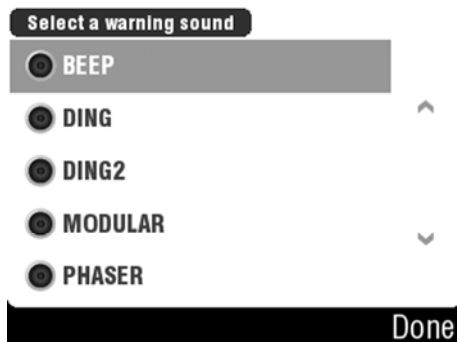
Done

This window will appear only if the option **Enable warning sound** has been enabled.

Select a warning sound by tapping on it. A sound sample will be output when selecting it.

You can use the ▼ and ▲ buttons to change the displayed page.

Then tap **Done**.



Not all roads support speed information. This information will be principally available for motorways and national roads.

Display examples:



Shows the maximum speed



Shows that the maximum speed has been exceeded



The speed values are an extra support function but are not guaranteed to be complete nor up-to-date.

The Road Traffic Act regulations and traffic signs always have priority over the instructions of your navigation device.




3.7 Route Settings

Created routes can be viewed on the map, as a list or with individual pictures, and display an overview together with additional information or be deleted.

In addition, you can plan and program a route with one or more waypoints. Furthermore, you can view a demo of your created routes.

3.7.1 Planning preferences

During route planning you can use basic selection criteria for route calculation. Under these options you can optimise your navigation device for use in bicycle or in pedestrian mode.

- Tap on the display to open the GPS main menu.
- Tap  **Settings**.
- Tap  to show the second page of the Main menu.
- Tap  **Planning preferences** and select one of the five options by tapping the corresponding radio button.

Fastest route

Computes a route that provides the shortest journey between your start and destination. Therefore motorways are preferred.

Economic route

The shortest route need not be the most economic one, as a longer journey may also result more expensive. Use this option to calculate an average route that provides the most economic journey.

Shortest route

Calculates a route along the shortest distance between your start and destination. The duration of the journey will not be considered.

Bicycle route




Motorways and roads will not be considered for route calculation. Bicycle ways, residential areas and countryside paths are preferred.

Pedestrian route

Motorways and roads will not be considered either. In addition to the options listed under "Bicycle route" pedestrian zones are used.

3.7.2 Avoid toll roads

To include toll roads for your routes there are three possible options. Proceed as follows:

- Tap on the display to open the GPS main menu.
- Tap  **Settings**.
- Tap  to show the second page of the Main menu.
- Tap  **Toll charge settings** and select one of three options by tapping the corresponding button.

Ask me every time

If a calculated route uses a toll road, the system will notify you. The route will be used only after you confirm it. Otherwise an alternative route will be calculated.

Always avoid toll roads


Toll roads will not be used for route calculation.

Don't avoid toll roads

Toll roads will be considered for route calculation like any other road.

3.7.3 Programming Routes

You can easily program, save and edit a complete route plan with several waypoints. This function is useful when planning express carrier delivery routes, for example. All entries will be used as waypoints, with the route starting at the present position. During navigation you can move programmed waypoints on the list or mark as visited.

- Tap on the display to open the GPS main menu.
- Tap  **Itinerary**.
- Tap the **New** button to program a new route or tap on **Current route** to edit the active route.

Tap  to create an entry.

Manage Itinerary

Itinerary is empty. Tap  button to insert new waypoints.

Next enter as many waypoints as necessary.



- ① Repeat the process until all destinations have been entered.

Tap **Options** to continue editing the programmed route.

- It is also possible to define the stopovers (icon **1**, **2**, ...) to become the start or destination (icon **1**, **2**, ...) of your route. Continue reading on page 70 to learn more about the available options for an individual position.

Optimize itinerary sets the current position as start and determines the order of the different destinations by their distance.

Save itinerary allows you to save the route under a name of your choice.

Delete itinerary will remove all entries.

Manage itinerary

- Trafalgar Avenue (Peckham), London
- Cardiff, Cardiff (South Glamorgan)

Options + Done

Itinerary options



Optimize itinerary



Save itinerary



Delete itinerary

Back

The list icons have the following meaning:



Starting position



Points along the route



Destination or waypoint



*If you have saved a planned route you can retrieve and execute it from the **Itinerary** menu at any time.*

3.7.3.1 Editing a Programmed route

You can always modify the waypoints of a route either during route programming or later on after you have saved and opened it again.




For instance you can insert multiple waypoints to plan a route along several legs.

In the list of the planned route, tap one of the entries.



Select one of the following options.



Only those positions that you have defined as destination (icon ) will be notified upon arrival. Any points along the route (icon , , ...) will be used for calculating the route but not crossed on the route.



Set as visited

Marks the destination as visited and excludes it from the route.



Set as finish
point

Sets a waypoint to become the final destination. The previous destination in the list will be moved one position up.



Set as via point

Convert a destination into a waypoint.



Add nearby POI

Lets you select a POI located close to the destination.



Delete

Deletes the selected destination.



Move up

Moves the selected destination one position up. Therefore you will reach it earlier.




Move down

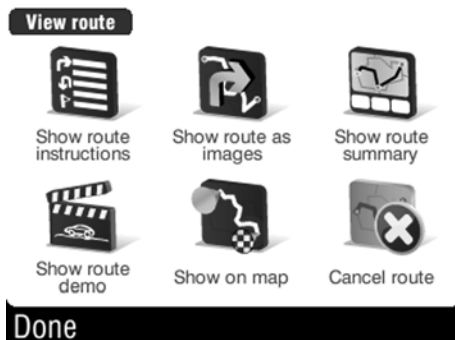
Moves the selected destination one position down. Therefore you will reach it later.



3.7.4 Show route instructions

You can view a programmed route in list format.

- Tap on the display to open the GPS main menu.
- Tap  **Route**.

Tap **Show route instructions** to open the list:



When viewing a multi-page list you can use the  and  buttons to change the displayed page.

- 💡 When tapping onto an entry, the display will switch to **Show route as images** mode.

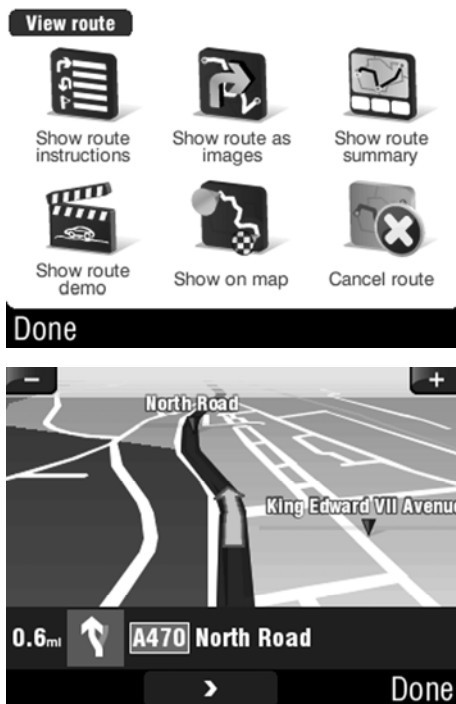




Tap **Options** to view the first list column with other information. You can choose between different output for distance, duration and time.

3.7.5 Show route as images

You can view a programmed route in image format. One image will be generated for each action.

On the **Route** menu, tap **Show route as images**.



You can use the  and  buttons to change the displayed image.

Tap **Done** to return to the **Route** menu:


3.7.6 Show route summary

The route summary displays the entire route as well as information about distance, estimated time of arrival and duration.

On the **Route** menu, tap **Show route summary**.



This view corresponds to the overview that displays after entering a new route. Here you can also unselect any route items. To do this, tap **Details** (see the description starting from page 45).

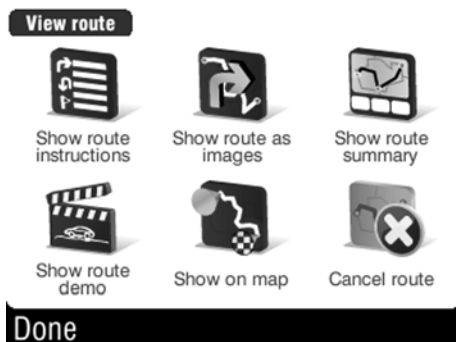
- if the route consists of several legs with waypoints you can view the individual legs by tapping the  button.
- Tap **Done** to return to the **Route** menu.

Additionally you may tap any position on the display to show information about that position.

3.7.7 Show on map

Shows the entire route on the entire display.

On the **Route** menu, tap **Show on map**.



Use the slider on the right to enlarge or reduce the displayed map area.



- Additionally you may tap any position on the display to show information about that position.



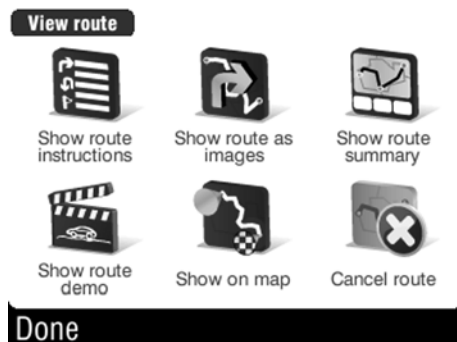
Example of an information window with name and distance from the selected position.

- Tap **Done** to return to the **Route** menu.

3.7.8 Cancel route

Deletes the current route without any further prompts.

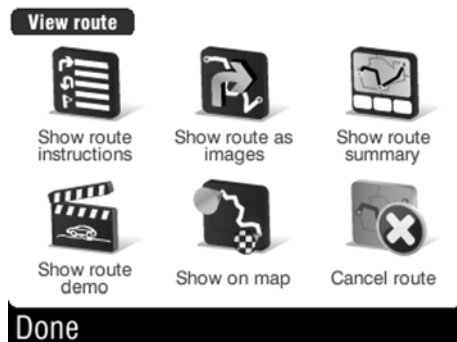
On the **Route** menu, tap **Cancel route**.



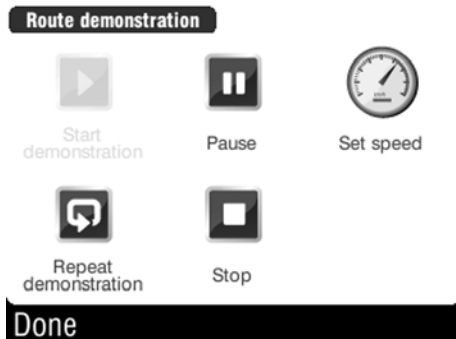
3.7.9 Demo

With this option you can launch a demo journey for your route. All displays will work as for real navigation.

On the **Route** menu, tap **Show route demo**.





Select an option.




Start
demonstration

Starts the demo.

 In addition, the icon  will flash. Tap this icon to access the menu while the demo is running.



Pause

Pauses the current demo. Use the toggle button  to resume the demo.



Set speed

Use the slider to set the playback speed between 6% and 1600%.



Repeat
demonstration

Repeats the demo. Use the toggle button **Stop demonstration repeating** to disable the repeat function.



Stop

Stops the demo. When launching the demo again, it will begin at the route starting point.



3.8 POI - Points of Interest

POI stands for Points of interest and consists of a database containing information about useful destinations for the users of navigation systems. These can be restaurants, major tourist attractions and hotels, but also destinations for use everyday such as petrol stations, car parks, pharmacies or ATM.

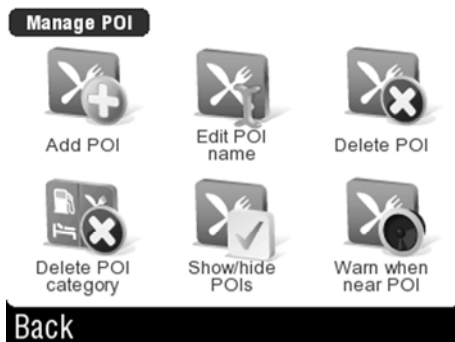
All POIs are grouped by category and can be displayed along a programmed route or near destinations. It is also possible to output a POI notification, so the system notifies you when approaching a POI of the selected category.

You may create new POIs, edit or delete existing POIs and assign them to custom or default categories. You can access all POIs from each menu allowing you to define a route. You may also search for POIs in map view at any time and drive to them expressly.

The main access for POI options is via the main menu.


- Tap on the display to open the navigation main menu.
- Tap  to show the second page of the navigation main menu.
- Tap  **Manage POI**.

Select an option.

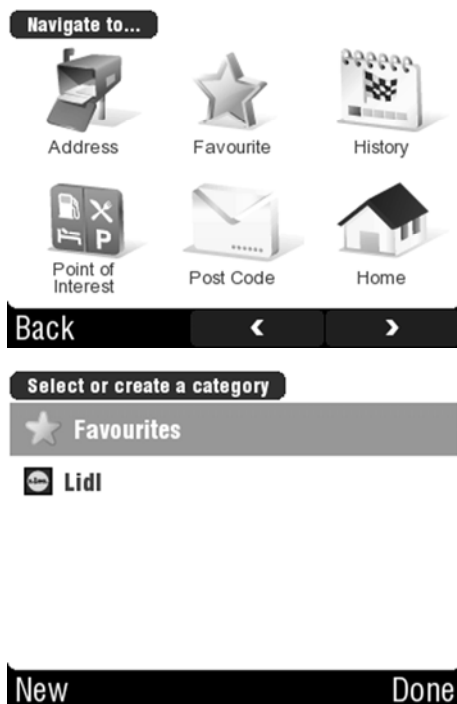


3.8.1 Adding a POI


Here you can set any map position or point in History as a POI. You may create your own category to save it or save as favourite.

- On the POI menu, tap  **Add POI**.

Select a position. Proceed in the same way as for programming a destination (see description starting from page 40).



Select **Favourites** and tap **Done** to store the selected position as favourite.


-  If you want to create a custom category at this point, please read Chapter 3.8.1.1 starting from page 80.

Enter the name of the favourite via the on-screen keypad.

Then tap on **Done**.




This will take you back to the POI menu. The entered position will be available under Favourite with the name you selected.

 Please see page 40 for how to open Favourite.

3.8.1.1 Creating a Custom Category

Instead of the **Favourites** list you may also create your own category. You could name them "Friends" or "Clients", for instance, and fill them with their addresses.

 Of course, you may create more than one custom category. To do this, simply repeat the following steps.

On the **Select or create a category** menu, tap **New**.



Enter the name of the category via the on-screen keypad.

Then tap on **Done**.

Select an icon for your category by tapping on it.

You can use the ▼ and ▲ buttons to change the displayed page.

Enter the name of the POI via the on-screen keypad.

Then tap on **Done**.

Add POI category

My Category



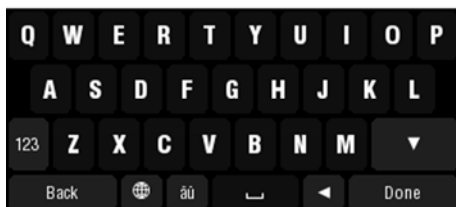
Select icon



Cancel

Name:


My POI



This will take you back to the POI menu. The created POI will appear with the name you have entered on the POI list. You may create as many categories and entries as you want.

3.8.2 Edit POI name

You may rename any custom POIs. This will not affect the category or the POI position.

- On the POI menu, tap  **Edit POI name**.

Select the desired category by tapping on it.

Select a category:

 Favourites

 My Category

Done


Select the POI that you want to rename by tapping on it.

Rename POI:

My POI

➔ 167.3_m

Done

-  Tap **Done** to cancel the process without making any changes.


Edit the POI or Favourite name by overwriting it with a new name.

Then tap on **Done**.

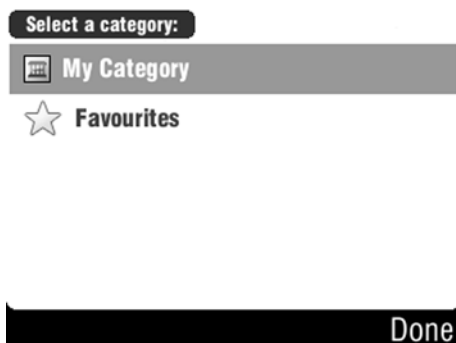


3.8.3 Delete POI

You can delete any custom POIs.

- On the POI menu, tap  **Delete POI**.

Select the desired category by tapping on it.



Select the POI that you want to delete by tapping on it.

Rename POI:

My POI

➔ 167.3^k_m

Navigation

Click **Yes** on the security prompt to delete the POI.

or

Tap **No** to cancel the process without deleting the POI.

Done

Message

Are you sure you want to delete My POI ?

NoYes

3.8.4 Deleting a Category

You can delete any custom categories. Attention! All POIs contained in it will be deleted automatically.

- On the POI menu, tap  **Delete POI category.**

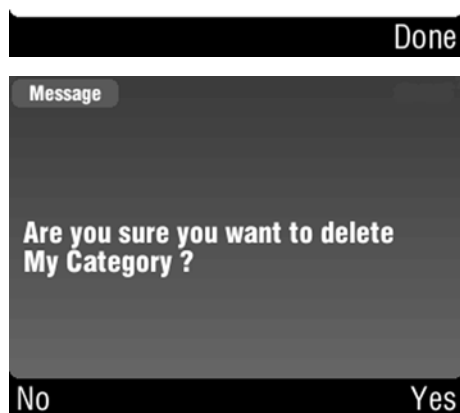
Select the desired category by tapping on it.



Click **Yes** on the security prompt to delete the category

or

Tap **No** to cancel the process without deleting the category.





3.8.5 Showing and hiding POIs

Here you can select what POI categories you want to display. These settings affect the Browse map view (page 55) and the navigation display (page 39).

- On the POI menu, tap  **Show/hide POIs**.

Select the desired categories by placing a checkmark in the corresponding fields.

You can use the  and  buttons to change the displayed page.





- To hide a single category, tap the corresponding checkbox again. The checkmark will be removed and the category will not display.
- The button **Enable all** lets you select all categories.
- To quickly unselect all categories, first tap the **Enable all** button. The button will switch to **Disable all**. Tap it again to unselect all categories.

3.8.6 Enable a POI Notification

You may enable a notification for any category. During navigation, an acoustic signal will notify you when approaching a POI of the chosen category. Optionally you may also display a message over the POI.

- On the POI menu, tap  **Warn when near POI.**

Select a category by tapping on it.

You can use the  and  buttons to change the displayed page.



Set a distance in meters where you want to receive the notification.

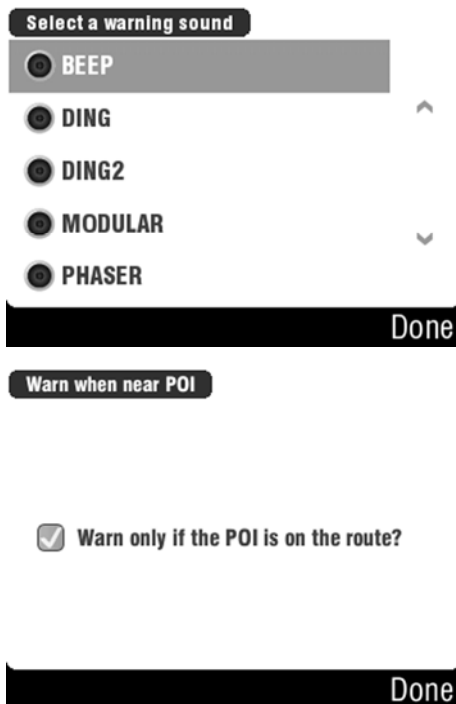
Then tap on **Done**.



Select a warning sound by tapping on it. A sound sample will be output when selecting it.

You can use the ▼ and ▲ buttons to change the displayed page.

Then tap on **Done**.



Tap to place a checkmark in the checkbox to enable the on-screen message.

Then tap on **Done**.

You are returned to the navigation display.

- 🔊 To enable the notification for multiple categories, repeat these steps.
- 🔊 If you have enabled the additional on-screen message, it will appear when you are located near a POI.



Tap on this message to mark the POI on the map. It will then be displayed as follows:






3.9 General Settings

You can adjust different preferences for the display and operation of your device. These are units of measurement for distance and time, the guidance voice and the display of the on-screen keypad.




3.9.1 Selecting a Map

Upon delivery the device has the required maps for your region already installed. However, the included DVD lets you install more maps. To use a map section copied onto a memory card, proceed as follows:

- Tap on the display to open the GPS main menu.
- Tap  **Settings**.
- Tap the  button twice to show the third page of the Settings menu.
- Tap  **Switch map**.
- Select the desired map from the list by tapping on it.

3.9.2 Regional settings



The Regional settings let you set the units of measure.

- Tap on the display to open the GPS main menu.
- Tap  **Settings**.
- Tap the  button twice to show the third page of the Settings menu.
- Tap  **Regional settings**.

Select distance units

Choose between **Kilometers** and **Miles** by selecting the corresponding radio button. Then tap on **Next**.

Time Zone

Choose the time zone where you will be using your navigation device. For an easier assignment, major cities can be found behind the entries. If necessary you can use the  and  buttons to change the displayed page. Then tap on **Next**.

Time display

Choose the time display format between three different options. Then tap on **Next**.



The system will adjust daylight saving automatically.




Coordinates

Please specify how you want longitudes and latitudes to be displayed. You can display the coordinates in **Degrees**, **Minutes** or **Seconds**. To do so, tap the corresponding radio button to mark it.

Tap **Done** to return to the Settings menu.

3.9.3 Setting the Guidance Voice

Here you select the voice for the driving instructions. For many languages there are female and male voices.

- Tap on the display to open the GPS main menu.
- Tap  **Settings**.
- Tap the  button twice to show the third page of the Settings menu.
- Tap  **Set voice**.

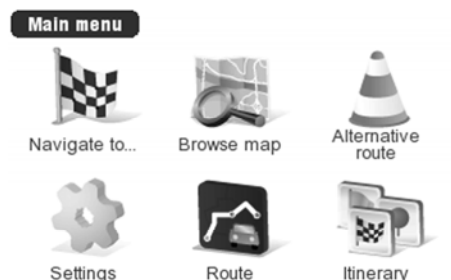
Select a voice from the list according to the set language. After tapping on it a sample sentence will be pronounced. Confirm your selection by tapping the **Select** button


You are returned to the Settings menu.

3.9.4 Setting the On-Screen Keypad

The on-screen keypad can be shown in three different layouts. Tap on the display to open the GPS main menu.

Tap **Settings**.



Tap the  button to show the second page of the Settings menu.



Tap **Keyboard settings**.



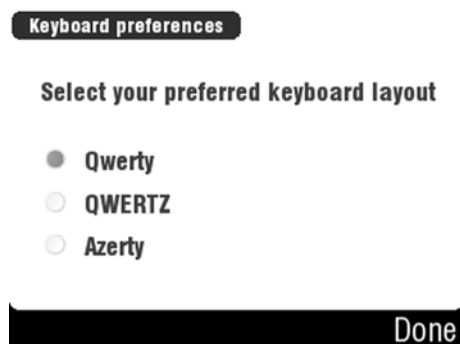
Tap on the desired character table to select it.

You can use the ▼ and ▲ buttons to change the displayed page.

Then tap **Done**.





Some character tables have a > mark. In this case, more options will be available after confirming them with **Done**. For instance, you can display a keyboard with Latin character set as "Qwerty", "QWERTZ" or "Azerty" keyboard. To do so, tap the desired radio button and then tap **Done** to continue (see the sample figure below).



3.10 Miscellaneous Applications

The navigation device supports additional applications. These can be accessed via the Main menu.

- Tap on the display to open the GPS main menu.
- Tap  to show the second page of the Main menu.
- Tap  **Extras**.
- Select one of the four following options by tapping on it.



World Clock

Description on page 95



Calculator

Description on page 95



Unit Converter

Description on page 95



Country info

Description on page 96

3.10.1 World Clock

Based on the set time zone (page 90) the device will calculate the time for three other time zones. Tap **Done** to switch to the navigation display.

These time zones can be selected at your choice. Proceed as follows:

- Tap any of the three clocks to select the corresponding time zone.
- Select the desired time zone from the list by tapping on it. You can use the ▼ and ▲ buttons to change the displayed page.
- Sometimes it is also possible to specify the cities that will be displayed under the clock. To do this, choose the appropriate name from the list.

3.10.2 Calculator

This option lets you display a calculator offering the four basic arithmetic operations plus square root function. To use the calculator, tap the digit and operator icons.

Tap **Done** to switch to the navigation display.

- 🌐 Tap the Convert button to send the result to the Unit Convertor.

3.10.3 Unit Convertor

The Unit Convertor is able to convert currencies and different mathematical and physical units of measure.

Proceed as follows:

- Tap **Conversion** to select the type of conversion from a list.
- Tap **Input Unit** to set the source unit of measure for the conversion.
- Tap **Amount** to enter a value.
- 🌐 After switching to the Unit Convertor from the regular Calculator, the result from the previous calculation will appear automatically in this field.
- Tap the output unit of measure.

Tap **Done** to switch to the navigation display or the calculator.

3.10.4 Country info

Under Country info you will find helpful information on country-specific details. These are regulations that are very important for car, truck or motorbike drivers. Country information such as the currency and the international telephone prefix is also listed here.

- Select the desired country from the list by tapping on it. You can use the ▼ and ▲ buttons to change the displayed page.
 - An overview with the most important speed limits will appear. Any other information found will also be displayed.
- 💡 If no speed limit exists, **Unl** (Unlimited) will display.

Maximum allowed speed on:



Motorways



Country roads



Out-of-town streets



In-town streets

More information:



Maximum permitted alcohol level in per mille



International telephone prefix



Dimmed headlights mandatory during daytime



Toll motorways



High-visibility jacket mandatory



Winter tyres mandatory depending on the weather or season
(the seasons may appear with monthly ranges, e.g. 1.11 1.4
for November 1st until April 1st)



Fire extinguisher mandatory





This information is an extra support function but is not guaranteed to be complete nor up-to-date. If you are in doubt, please ask for information when entering the corresponding country.

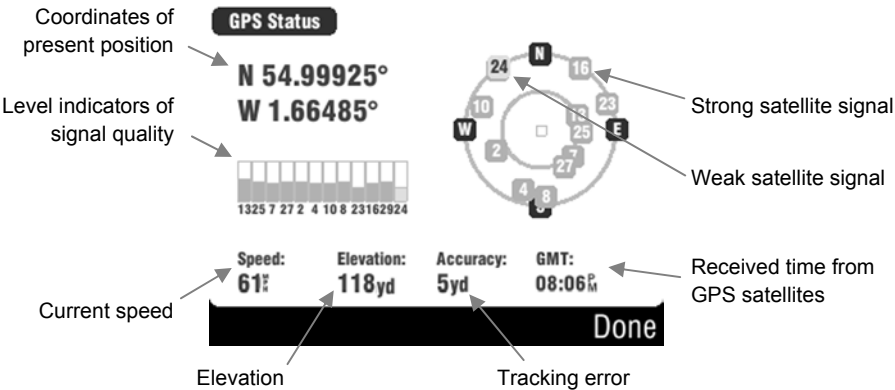
- Tap the **More** button to display more information on the country.
- If there are more than five entries you can use the ▼ and ▲ buttons to change the displayed page.
- Tap **Back** to return to the previous display.
- Tap **Back** again to return to the country list.
- Tap **Back** to return to the navigation display.

3.10.5 GPS Status

This function lets you display information about your present position, the number of available GPS satellites and their signal level.

- Tap on the display to open the GPS main menu.
- Tap  to show the second page of the Main menu.
- Tap  **GPS Status**.




The following information is available:



Tap **Done** to return to the navigation display.

3.10.6 Calibrating the Display

A calibration is required when the display does not respond properly to your input. Proceed as follows:

- Tap on the display to open the GPS main menu.
- Tap  **Settings**.
- Tap  three times to show the fourth page of the Main menu.
- Tap  **Calibrate**.
- Use the stylus to tap on the displayed target and follow the on-screen instructions.

4. Appendix

4.1 Troubleshooting

If you have trouble using your device or the device does not perform as expected, please read the following questions and answers. Please try the different suggested solutions.

If the problem persists after performing the suggested solutions or if you cannot find your particular query, please contact our Support. You'll find the Support contact details on the Warranty Information in Chapter 4.7.

The Navigation Device does not Track any Position

- When using the device for the first time, it may take several minutes for the current position to be displayed.
- If the battery has been discharged completely, it may also take several minutes for the current position to be displayed.

No Voice Guidance Output

- Please check if the volume is muted or very low.
- Select the guidance voice again.

The Calculated Route is Complicated to Follow

- Check whether it makes sense to use motorways or toll roads.
- Check whether the device has been set to pedestrian mode.

The Calculated Route Goes Along a Motorway but Avoiding it Would Bring Me to the Destination quicker.

- Try different route planning settings (e.g. fastest, shortest or most economic route).

After Connecting the Device to a Computer it Does Not Establish any Link.

- Make sure that you have inserted the USB cable properly. If you have connected the navigation device to the computer via a hub or USB extension cable, try connecting it directly to the computer.
- Unplug the USB cable and reconnect it again to the computer. You can also try a different USB port on your computer, if one is available.

4.2 Connecting to a Computer

You can use your computer to access the internal flash memory and memory card (if any) of your navigation device in order to upgrade the maps (see page 103).

To do this, your computer must run under Windows® 2000/XP, Windows Vista® or Windows® 7 and have a free USB port (USB 1.1 or USB 2.0).



As soon as a connection to the computer is established, the button operation on the device will be locked.

- Plug the Mini-USB connector of the USB cable [page 13, item 5] into the receptacle [page 14, item 4] of your navigation device.
- Next, plug the other connector of the USB cable into a free USB port on your powered-on computer.
- The operating system will detect the flash memory as a removable media and will show it under My Computer. If there is a storage card inserted into the navigation device, the card will also appear in My Computer.

A drive letter will be assigned to the flash memory and memory card (if any) depending on the computer configuration.

Use the typical copy functions of your computer's operating system to copy, move, delete or rename data in the flash memory. Please note that the flash memory capacity is limited to 2 GB and that most of it is already occupied by the navigations software application.



*Never modify the name and contents of the **Silvercrest** and **Maps** folder, otherwise your navigation device will not function properly. To copy any map data you can use the supplied DVD.*

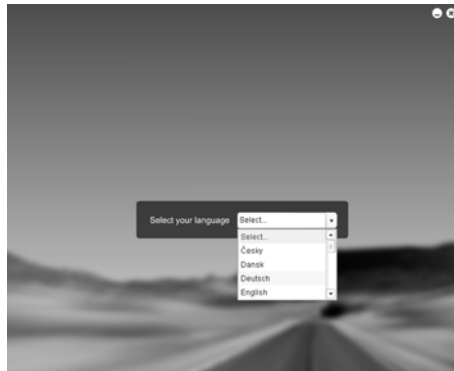
4.3 The Supplied DVD

By using the supplied DVD you can install or uninstall any maps or guidance voices.



Please note that the navigation device must be connected to the computer (see page 102).

- Insert the DVD into your DVD drive. The following menu should appear automatically:






- Tap the radio button behind **Select** and choose the desired language from the list by tapping on it.



If the autorun function is disabled on your computer, you can launch the setup manually by double-clicking the file "installer.exe" from the "Installer" folder on the DVD.

The Supplied DVD

The DVD main menu will appear. It is divided into three sections:

	<p>Maps (page 105)</p> <p>Here you can add or remove maps.</p>
	<p>Voices (page 106)</p> <p>Here you can add or remove voices.</p>
	<p>Support (page 108)</p> <p>Here you can restore the factory-default configuration of your navigation device or open support Websites with further information.</p>


Select the desired option by clicking on the corresponding icon.



Shows the occupied and the total memory capacity.

4.3.1 Installing Maps

Here you can add or remove maps.

- On the DVD main menu, click  **Maps**.
- Select a desired map from the list by clicking on the checkbox behind it. The checkbox will contain a green arrow icon.
- or
- To unselect any installed maps, remove the mark from the checkbox by clicking on it. The checkbox will contain a red arrow icon.



- You may choose multiple maps, as long as there is enough free storage space on the device.
- Click on the **Synchronize** button to start the copying process.



A graphics will inform you of the status of the copy process. Please wait until the red status bar reaches the end position. The copy process is then completed and the status display disappears.


4.3.2 Installing Guidance Voices

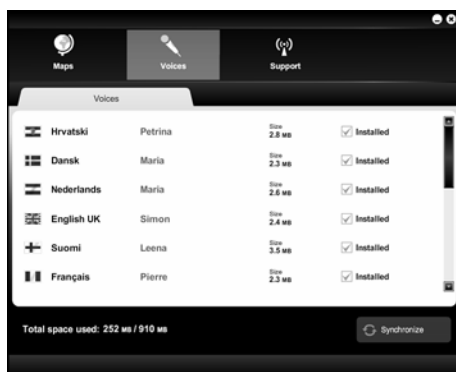
Just as you can install and remove maps, you can also install different guidance voices.

Of course it is possible to install multiple voices and select the desired voice later on when using the device (page 91).



Not all languages support multiple voice types.

- On the DVD main menu, click  **Voices**.
 - To do this, click the corresponding tab.
 - Select a desired voice from the list by clicking on the checkbox behind it. The checkbox will contain a green arrow icon.
- or
- To unselect any installed voices, remove the mark from the checkbox by clicking on it. The checkbox will contain a red arrow icon.



- Click on the Synchronize button to start the copying process.

A graphics will inform you of the status of the copy process (see previous page).


4.3.3 Support

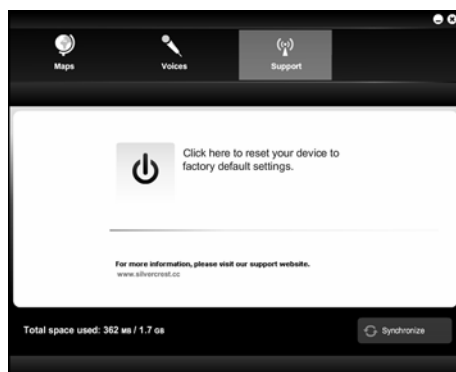
Here you can restore the factory-default settings of your device. This will erase any custom settings and after restarting the software will look the same as after the first-time power on.




Please note that restoring the factory-default configuration may take up to one hour. During this process, you must not turn off the computer or the navigation device, nor unplug the navigation device from the computer.

You may also use this function if the internal memory of the device has been erased accidentally by formatting it or by misoperation. The following steps let you restore the navigation software.

- On the DVD main menu, click  **Support**.



- Tap the  **Reset** button to restore the device configuration.



A safety prompt will appear. Click **OK** to confirm. Or click **Cancel** to cancel the process without making any changes.

Furthermore, in this window you will find helpful links on the Internet that contain additional information. This requires an Internet connection. When using a Dial-Up Internet connection, this connection may incur the related costs to you.

- Click on the link with your country flag to visit the corresponding page.
- Your default Web Browser will launch and display the desired Internet page.

4.4 Map material

The following map material is available:

 	Map material available for Great Britain and Eire
--	--

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4.6 Technical Specifications

Navigation Device	
Model	PNA-E3540N
Processor	SiRFatlasIV™ 500 MHz
Memory	64MB RAM, 2GB Flash drive
Card reader	MicroSD cards up to 2GB
Operating system	Microsoft Windows® CE 6.0 Core Version
Colour display	8,8cm colour display with 65,536 colours
GPS Chipset	SiRFatlasIV™ with SiRFGRF3i+ and SiRFInstantFixII™
USB port	USB 1.1
Dimensions	100 x 80 x 18 mm (L x W x H)
Weight	139 g
Temperature	5 °C to 35 °C during operation
Humidity	Max. 85 % rel. Humidity during operation
Carcharger	
Model	IC-MUBU-DB-G
Input	12V DC  , 600mA
Output	5V DC  , 850mA max.
Fuse	1A / 250V

4.7 Details of Guarantee



Important warranty information

SILVERCREST®

Dear Customer,

Thank you for purchasing a SILVERCREST product.

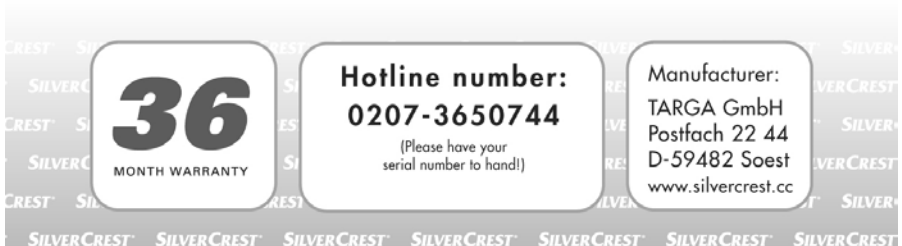
Please carefully read through the enclosed documentation or online help before putting your SILVERCREST product into service. If you have a problem, which can't be solved in this way, please contact our hotline.

If the problem cannot be solved over the phone, you will be given a reference number (RMA), which you should enclose together with a copy of the proof of purchase. After you have packaged the unit safe for transport and in plain packaging, please send it for warranty processing, with the RMA noted on the outside of the package, to the address given to you by our hotline employee. After receiving the unit we will correct the manufacturing and material defect free of charge.

Up-to-date information and answers to the most frequently asked questions are available on the internet from: www.silvercrest.cc

This guarantee is valid in the UK.

Your statutory guarantees from the seller are in addition to this warranty and are not limited by it.



**36 month warranty from
date of purchase**



Ireland

Important warranty information

SILVERCREST®

Dear Customer,

Thank you for purchasing a SILVERCREST product.

Please carefully read through the enclosed documentation or online help before putting your SILVERCREST product into service. If you have a problem, which can't be solved in this way, please contact our hotline.

If the problem cannot be solved over the phone, you will be given a reference number (RMA), which you should enclose together with a copy of the proof of purchase. After you have packaged the unit safe for transport and in plain packaging, please send it for warranty processing, with the RMA noted on the outside of the package, to the address given to you by our hotline employee. After receiving the unit we will correct the manufacturing and material defect free of charge.

Up-to-date information and answers to the most frequently asked questions are available on the internet from: www.silvercrest.cc

This guarantee is valid in the Ireland.

Your statutory guarantees from the seller are in addition to this warranty and are not limited by it.

36
MONTH WARRANTY

**Hotline number:
01-2421583**

(Please have your
serial number to hand!)

Manufacturer:
TARGA GmbH
Postfach 22 44
D-59482 Soest
www.silvercrest.cc

4.8 Serial number

PNA Serial Number



Declaration of Conformity

We: Targa GmbH
Lange Wende 41
59494 Soest, Germany

declare our responsibility that the

product: Navigation system
model: Silvercrest PNA-E3540T
Silvercrest PNA-E3540N

is confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility 2004/108/EC and the vehicle directive 2004/104/EC.

The measurements were carried out in accredited laboratories.

For the evaluation of above mentioned Council Directives for Electromagnetic Compatibility and for Low Voltage standards were consulted:

EMC: EN 55024: 1998 + A1: 2001 + A2: 2003
EN 55022: 2006 (limit class B)

Safety: EN 60950-1: 2001

Soest, 23rd of December 2009
authorised signature

Matthias Klauke, Managing Director



TARGA GmbH
Lange Wende 41
D-59494 Soest
www.silvercrest.cc

1517072